



## PATENT ABSTRACTS OF JAPAN

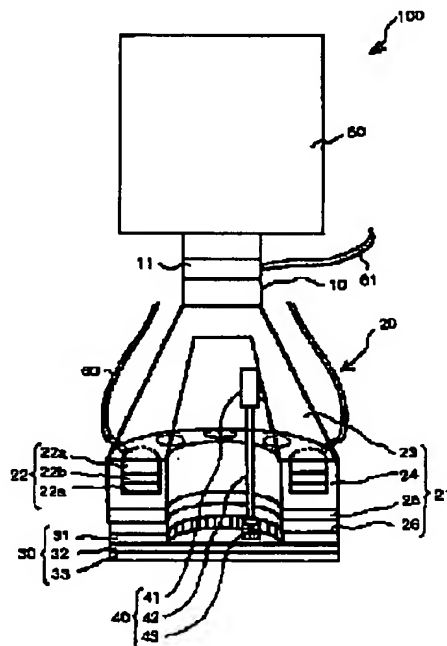
(11) Publication number: **10286772 A**(43) Date of publication of application: **27.10.98**

(51) Int. Cl.

**B24B 49/16****B24B 13/00**(21) Application number: **09090916**(22) Date of filing: **09.04.97**(71) Applicant: **NIKON CORP**(72) Inventor: **HIGUCHI TAKAHIRO  
YASUI KENGO  
SAITO SHINICHIRO****(54) POLISHING TOOL, AND GRINDING TOOL****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide a polishing/grinding tool in which pressure at each point of a polisher/grinding wheel can be detected.

**SOLUTION:** A device is provided with a pressure sensor-built-in type holder 20, a rotary polisher 30 rotatably installed on a lower end part of the holder 20, and a motor 40 fixed on the holder 20. The motor 40 is provided with a rotary shaft 41 protruded from a motor main body toward the rotary polisher 30, and a drive side gear 43 installed on a tip part of the rotary shaft 41. The rotary polisher 30 comprises a polisher 33 on a facing surface to a work, and a follower side gear 31 is formed on the back surface side of it to be engaged with the drive side gear 43. Plural pressure sensors 22 are respectively disposed to surround an extended line of a tool shaft 10, thereby each pressure sensor 22 detects pressure at each disposed position to output result of it as an electric signal.



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